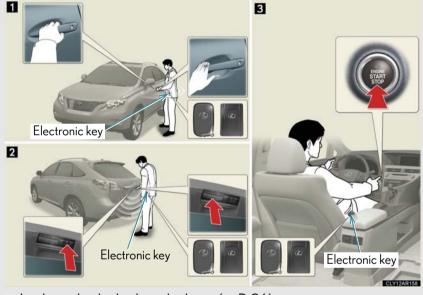
Smart access system with push-button start

The following operations can be performed simply by carrying the electronic key (including the card key) on your person, for example in your pocket.
(The driver should always carry the electronic key.)

1 Locks and unlocks the side doors (→P. 36)
2 Locks and unlocks the back door (→P. 36)
3 Starts the engine (→P. 159)

Unlocking and locking the side doors (front door handles only)

Grip the handle to unlock the door.

Make sure to touch the sensor on the back of the handle.

The doors cannot be unlocked for 3 seconds after the doors are locked.

Touch the lock sensor (the indentation on the upper part of the door handle) to lock the doors.

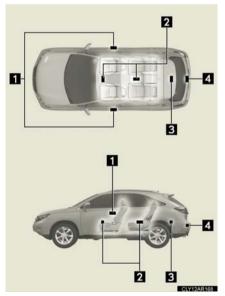
Unlocking and locking the back door

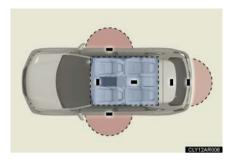
Press the button to unlock the door.

The door cannot be unlocked for 3 seconds after the door is locked.

Press the button to lock the door.

Antenna location and effective range

Antenna location

1 Antennas outside the cabin
2 Antennas inside the cabin
3 Antenna inside the luggage compartment
4 Antenna outside the luggage compartment

Effective range (areas within which the electronic key is detected)

When locking or unlocking the doors

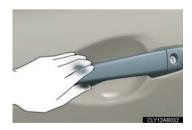
The system can be operated when the electronic key is within about 2.3 ft. (0.7 m) of an outside door handle. (Only the doors detecting the key can be operated.)

When starting the engine or changing "ENGINE START STOP" switch modes

The system can be operated when the electronic key is inside the vehicle.

Operation signals

A buzzer sounds and the emergency flashers flash to indicate that the doors have been locked/unlocked. (Locked: Once; Unlocked: Twice)

When the door cannot be locked by the lock sensor on the upper part of the door handle

Touch both lock sensors on the upper and lower part of the door handle simultaneously.

Alarms and warning indicators

A combination of exterior and interior alarms as well as warning messages shown on the multi-information display is used to prevent theft of the vehicle and accidents resulting from erroneous operation. Take appropriate measures in response to any warning message on the multi-information display. (→P. 568)

The following table describes circumstances and correction procedures when only alarms are sounded.

Alarm	Situation	Correction procedure
Exterior alarm sounds once for 10 seconds.	An attempt was made to lock the vehicle while a door was open.	Close all of the doors and lock the doors again.
Interior alarm pings repeatedly	The "ENGINE START STOP" switch was turned to ACCESSORY mode while the driver's door is open (The driver's door was opened when the "ENGINE START STOP" switch is in ACCESSORY mode.)	Close the driver's door.
	The "ENGINE START STOP" switch was turned off while the driver's door is open.	Close the driver's door.

Security feature

If a door is not opened within approximately 60 seconds after the vehicle is unlocked, the security feature automatically locks the vehicle again.

■ Battery-saving function

If the vehicle is parked for a long period of time, the battery-saving function is activated in order to prevent the vehicle battery from being discharged and the electronic key battery from being depleted.

- In the following circumstances, unlocking the vehicle using the entry function may take longer than usual
  - When the entry function has not been used for 5 days or more
  - When the electronic key has been left within approximately 2 m (6 ft.) of the vehicle for 10 minutes or more
- If the entry function has not been used for 14 days or more, the vehicle cannot be unlocked by a door other than the driver's door. To unlock the vehicle, grip the driver's door handle or use the wireless remote control or the mechanical key.

The system will resume operation when:

- The vehicle is locked using the lock sensor.
- The vehicle is locked/unlocked using the wireless remote control function. (→P. 48)
- The vehicle is locked/unlocked using the mechanical key. (→P. 605)

■ Conditions affecting operation

The smart access system with push-button start uses weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart access system with push-button start, wireless remote control and immobilizer system from operating properly.
(Ways of coping: →P. 605)

- When the electronic key battery is depleted
- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When carrying a portable radio, cellular phone, cordless phone or other wireless communication devices

- When the electronic key is in contact with, or is covered by the following metallic objects
    - Cards to which aluminum foil is attached
    - Cigarette boxes that have aluminum foil inside
    - Metallic wallets or bags
    - Coins
    - Hand warmers made of metal
    - Media such as CDs and DVDs
- When multiple electronic keys are in the vicinity
- When another wireless key (that emits radio waves) is being used nearby
- When carrying the electronic key together with the following devices that emit radio waves
    - Another vehicle's electronic key or a wireless key that emits radio waves
    - Personal computers or personal digital assistants (PDAs)
    - Digital audio players
    - Portable game systems
- If window tint with a metallic content or metallic objects are attached to the rear window

■ Note for the entry function

- Even when the electronic key is within the effective range (detection areas), the system may not operate properly in the following cases:
  - The electronic key is too close to the window or outside door handle, near the ground, or in a high place when the doors are locked or unlocked.
  - The electronic key is on the instrument panel, luggage cover or floor, or in the glove box.
- Do not leave the electronic key on top of the instrument panel or near the door pockets when exiting the vehicle. Depending on the radio wave reception conditions, it may be detected by the antenna outside the cabin and the door will become lockable from the outside, possibly trapping the electronic key inside the vehicle.
- As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone. However, only the doors detecting the electronic key can be used to unlock the vehicle.
- The doors may lock or unlock if the electronic key is within the effective range and a large amount of water splashes on the door handle, such as in the rain or in a car wash. The doors will automatically be locked after approximately 60 seconds if a door is not opened and closed.
- If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)

■ **Notes for locking the doors**

- Touching the door lock sensor while wearing gloves may delay or prevent lock operation. Remove the gloves and touch the lock sensor again.
- When the lock operation is performed using the lock sensor, recognition signals will be shown up to two consecutive times. After this, no recognition signals will be given.
- If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. Place the key in a position 6 ft. (2 m) or more separate from the vehicle while the vehicle is being washed. (Take care to ensure that the key is not stolen.)
- If the electronic key is inside the vehicle and a door handle becomes wet during a car wash, a message may be shown on the multi-information display and a buzzer will sound outside the vehicle. To turn off the alarm, lock all the doors.
- The lock sensor may not work properly if it comes into contact with ice, snow, mud, etc. Clean the lock sensor and attempt to operate it again, or use the lock sensor on the lower part of the door handle.
- Fingernails may scrape against the door during operation of the door handle. Be careful not to injure fingernails or damage the surface of the door.

■ **Notes for the unlocking function**

- Gripping the door handle when wearing a glove may not unlock the door.
- A sudden approach to the effective range or door handle may prevent the doors from being unlocked. In this case, return the door handle to the original position and check that the doors unlock before pulling the door handle again.
- If there is another electronic key in the detection area, it may take slightly longer to unlock the doors after the door handle is gripped.

■ **When the vehicle is not driven for extended periods**

- To prevent theft of the vehicle, do not leave the electronic key within 6 ft. (2 m) of the vehicle.
- The smart access system with push-button start can be deactivated in advance. (→P. 645)

■ To operate the system properly

Make sure to carry the electronic key when operating the system. Do not get the electronic key too close to the vehicle when operating the system from the outside of the vehicle.

Depending on the position and holding condition of the electronic key, the key may not be detected correctly and the system may not operate properly. (The alarm may go off accidentally, or the door lock prevention may not function.)

■ If the smart access system with push-button start does not operate properly

- Locking and unlocking the doors: Use the mechanical key. (→P. 605)
- Starting the engine: →P. 606

■ Electronic key battery depletion

- The standard battery life is 1 to 2 years. (The card key battery life is about a year and a half.)
- If the battery becomes low, an alarm will sound in the cabin when the engine stops. (→P. 579)
- As the electronic key always receives radio waves, the battery will become depleted even if the electronic key is not used. The following symptoms indicate that the electronic key battery may be depleted. Replace the battery when necessary. (→P. 517)
  - The smart access system with push-button start or the wireless remote control does not operate.
  - The detection area becomes smaller.
  - The LED indicator on the key surface does not turn on.
- To avoid serious deterioration, do not leave the electronic key within 3 ft. (1 m) of the following electrical appliances that produce a magnetic field:
  - TVs
  - Personal computers
  - Cellular phones, cordless phones and battery chargers
  - Recharging cellular phones or cordless phones
  - Glass top ranges
  - Table lamps

■ When the electronic key battery is fully depleted

→P. 517

Customization

Settings (e.g. smart access system with push-button start) can be changed.
(Customizable features →P. 645)

Certification for the smart access system with push-button start

▶ For vehicles sold in Hawaii, Guam, Saipan and Puerto Rico

FCC ID: NI4TMLF8-6

FCC ID: HYQ14ACX

FCC ID: HYQ14AEB

FCC ID: HYQ13CZF

NOTE:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

▶ For vehicles sold in the mainland U.S.A.

FCC ID: NI4TMLF8-6

FCC ID: HYQ14ACX

FCC ID: HYQ14AEB

FCC ID: HYQ13CZF

FCC ID: HYQ14ADF

FCC ID: HYQ14AEF

FCC ID: HYQ13CZG

NOTE:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

▶ For vehicles sold in Canada

NOTE:
Operation is subject to the following two conditions; (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

L’utilisation de ce dispositif est autorisée seulement aux deux conditions suivantes: (1) il ne doit pas produire de brouillage, et (2) l’utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

CAUTION

Caution regarding interference with electronic devices

- People with implanted pacemakers or cardiac defibrillators should keep away from the smart access system antennas. (→P. 37)
  The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask your Lexus dealer for details, such as the frequency of radio waves and timing of emitting the radio waves. Then, consult your doctor to see if you should disable the entry function.
- User of any electrical medical device other than implanted pacemakers and implanted cardiac defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.
  Radio waves could have unexpected effects on the operation of such medical devices.

Ask your Lexus dealer for disabling the entry function.

Wireless remote control

The wireless remote control can be used to lock and unlock the vehicle. It also opens and closes the back door.

▶ Vehicles without a power back door

1 Locks all the doors

2 Unlocks all the doors

Pressing the button unlocks the driver's door. Pressing the button again within 3 seconds unlocks the other doors.

3 Opens the windows and moon roof (press and hold)

4 Sounds the alarm (press and hold) (→P. 50)

▶ Vehicles with a power back door

1 Locks all the doors

2 Unlocks all the doors

Pressing the button unlocks the driver's door. Pressing the button again within 3 seconds unlocks the other doors.

3 Opens the windows and moon roof (press and hold)

4 Opens and closes the back door (press and hold)

5 Sounds the alarm (press and hold) (→P. 50)

■ Operation signals

Side doors: A buzzer sounds and the emergency flashers flash to indicate that the doors have been locked/unlocked. (Locked: Once; Unlocked: Twice)

Back door: A buzzer sounds and the emergency flashers flash twice to indicate that the back door is opening/closing.

Windows and moon roof: A buzzer sounds to indicate that the windows and moon roof are opening.

■ Door lock buzzer

If an attempt to lock the doors is made when a door is not fully closed, a buzzer sounds continuously. Fully close the door to stop the buzzer, and lock the vehicle once more.

■ **Security feature**

→P. 39

■ **Panic mode**

When [panic button icon] is pressed for longer than about one second, an alarm will sound intermittently and the vehicle lights will flash to deter any person from trying to break into or damage your vehicle.

To stop the alarm, press any button on the electronic key.

■ **Back door operation**

The back door can be opened even if it is locked. Lock the back door again when you leave the vehicle. The back door will not lock automatically after it has been opened and then closed.

■ **Alarm**

Using the wireless remote control to lock the doors will set the alarm system. (→P. 110)

■ **Reversing the operation of the power back door**

Pressing the wireless remote control switch again while the power back door is operating will cause the operation to reverse.

■ **Conditions affecting operation**

→P. 40

■ **If the wireless remote control does not operate properly**

Locking and unlocking the doors: Use the mechanical key. (→P. 605)

■ **Electronic key battery depletion**

→P. 44

■ When the electronic key battery is fully depleted

→P. 517

■ Customization

Settings (e.g. door unlocking function) can be changed.
(Customizable features →P. 645)

Side doors

The vehicle can be locked and unlocked using the entry function, wireless remote control or door lock switch.

Entry function

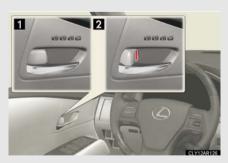
→P. 36

Wireless remote control

→P. 48

Door lock switches

1. Locks all the doors
2. Unlocks all the doors

Inside lock button

1. Locks the door
2. Unlocks the door

The front doors can be opened by pulling the inside handle even if the lock buttons are in the lock position.

Locking the front doors from the outside without a key

STEP 1 Move the inside lock button to the lock position.

STEP 2 Close the door.

The door cannot be locked if the “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode, or the electronic key is left inside the vehicle.

The key may not be detected correctly and the door may be locked.

Rear door child-protector lock

The door cannot be opened from inside the vehicle when the lock is set.

These locks can be set to prevent children from opening the rear doors. Push down on each rear door switch to lock both rear doors.

Impact detection door lock release system

In the event that the vehicle is subject to a strong impact, all the doors are unlocked. Depending on the force of the impact or the type of accident, however, the system may not operate.

Using the mechanical key

The doors can also be locked and unlocked with the mechanical key. (→P. 605)

If a wrong key is used

The key cylinder rotates freely to isolate inside mechanism.

Customization

Settings (e.g. unlocking function using a key) can be changed.
(Customizable features →P. 645)

CAUTION

To prevent an accident

Observe the following precautions while driving the vehicle.
Failure to do so may result in a door opening and an occupant falling out, resulting in death or serious injury.

- Always use a seat belt.
- Always lock all the doors.
- Ensure that all the doors are properly closed.
- Do not pull the inside handle of the doors while driving.
  The doors may be opened and the passengers are thrown out of the vehicle and it may result in serious injury or death.

  Be especially careful for the front doors, as the doors may be opened even if the inside lock buttons are in locked position.
- Set the rear door child-protector locks when children are seated in the rear seats.

When opening or closing a door

Check the surroundings of the vehicle such as whether the vehicle is on an incline, whether there is enough space for a door to open and whether a strong wind is blowing. When opening or closing the door, hold the door handle tightly to prepare for any unpredictable movement.

Back door

The back door can be locked/unlocked and opened/closed by the following procedures.

Locking and unlocking the back door

▶ Door lock switch

→P. 52

▶ Entry function

→P. 36

▶ Wireless remote control

→P. 48

Opening the back door from outside the vehicle

Raise the back door while pushing up the back door opener button.

■ Opening the back door from outside the vehicle (vehicles with a power back door)

▶ Using the back door opener button*

When the back door is unlocked: Press the back door opener button.

When the back door is locked: While carrying the electronic key on your person, press and hold the back door opener button or press it twice.

*: This setting must be customized at your Lexus dealer.

▶ Using the wireless remote control
→P. 48

■ Opening the back door from inside the vehicle (vehicles with a power back door)

Press the switch to open/close.

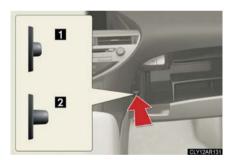
Pressing the switch again while the power back door is operating will cause the operation to reverse.

Power back door switch (vehicles with a power back door)

Press the switch to close the back door.

Pressing the switch again while the power back door is closing will cause it to open again.

Canceling the power back door system (vehicles with a power back door)

Turn off the main switch in the glove box to disable the power back door system.

1 On

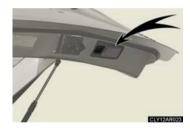
2 Off

The back door cannot be operated even with the wireless remote control or power back door switch.

■ The power back door can be operated when

- The back door is unlocked. (Except for using the back door opener button* or wireless remote control, when the power back door can be operated even if it is locked.)
- The power back door main switch is on.
- To open the power back door when the "ENGINE START STOP" switch is in IGNITION ON mode, the power back door main switch must be on, the vehicle speed must be lower than 1 mph (3 km/h) and the shift lever must be in P. (When using the back door opener button only)
- The "ENGINE START STOP" switch is turned off. (When using the wireless remote control only)

*: This setting must be customized at your Lexus dealer.

■ Back door handle

Use the back door handle when lowering the back door.
Do not close the back door fully while still holding the door handle as an injury may result.

■ Luggage compartment lights

The luggage compartment lights turn on when the back door is opened with the luggage compartment light switch on.

■ Back door closer (vehicles with a power back door)

In the event that the back door is left slightly open, the back door closer will automatically close it to the fully closed position.

- The back door closer will operate regardless of the “ENGINE START STOP” switch mode.
- The back door can be opened while the back door closer is operating by pressing the back door opener button.

■ Power back door operation

- A buzzer sounds and the emergency flashers flash twice to indicate that the back door is opening/closing.
- The back door can still be opened and closed manually, even when the power back door main switch is off.
- Pressing the back door opener button while the power back door system is operating will cause the back door to switch to manual operation.
- If anything obstructs the power back door while it is closing/opening, a buzzer will sound and the back door will automatically operate in the opposite direction.
- If two or more successive attempts are made to close the back door, a buzzer will sound and the back door will switch to manual operation.

■ Jam protection function (vehicles with a power back door)

Sensors are attached to the left and right sides of the power back door. If these sensors detect an obstruction while the power back door is closing, the jam protection function will return the door to the fully open position.

■ After the back door has been opened and then closed

Lock the back door as the back door will not lock automatically.

■ **If the back door opener is inoperative**

The back door can be opened from the inside.

STEP 1 Remove the cover.

STEP 2 Move the lever.

▶ Vehicles with a power back door

▶ Vehicles without a power back door

■ **When reconnecting the battery or changing a fuse while the back door is open:**

To enable the power back door to operate properly, initialize the system by completely closing the back door manually. If the battery is reconnected or a fuse is changed while the back door is closed, initializing the system is not necessary.

CAUTION

■ **Caution while driving**

- Keep the back door closed while driving.
  If the back door is left open, it may hit near-by objects while driving or luggage may be unexpectedly thrown out, causing an accident.
  In addition, exhaust gases may enter the vehicle, causing death or a serious health hazard. Make sure to close the back door before driving.
- Before driving the vehicle, make sure that the back door is fully closed. If the back door is not fully closed, it may open unexpectedly while driving, causing an accident.
- Never let anyone sit in the luggage compartment. In the event of sudden braking or a collision, they are susceptible to death or serious injury.

■ **When children are in the vehicle**

Observe the following precautions.
Failure to do so may result in death or serious injury.

- Do not leave children alone in the luggage compartment.
  If a child is accidentally locked in the luggage compartment, they could have heat exhaustion.
- Do not allow a child to open or close the back door.
  Doing so may cause the back door to move unexpectedly, or cause the child's hands, head, or neck to be caught by the closing back door, which may result in death or serious injury of the child.

CAUTION

■ **Operating the back door**

Observe the following precautions.
Failure to do so may cause parts of the body to be caught, resulting in death or serious injury.

- Remove any heavy loads, such as snow and ice, from the back door before opening it. Failure to do so may cause the back door to fall closed again after it is opened.
- When opening or closing the back door, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity, make sure they are safe and let them know that the back door is about to open or close.
- Use caution when opening or closing the back door in windy weather as it may move abruptly in strong wind.

- The back door may fall if it is not opened fully. It is more difficult to open or close the back door on an incline than on a level surface, so beware of the back door unexpectedly opening or closing by itself. Make sure that the back door is fully open and secure before using the luggage compartment.
- When closing the back door, take extra care to prevent your fingers etc. from being caught.
- When closing the back door, make sure to press it lightly on its outer surface. If the back door handle is used to fully close the back door, it may result in hands or arms being caught.

CAUTION

- Do not pull on the back door damper stay to close the back door, and do not hang on the back door damper stay.
  Doing so may cause hands to be caught or the back door damper stay to break, causing an accident.
- If a bicycle carrier or similar heavy object is attached to the back door, it may fall closed again after being opened, causing someone's hands, head or neck to be caught and injured. When installing an accessory part to the back door, using a genuine Lexus part is recommended.

Back door closer

- In the event that the back door is left slightly open, the back door closer will automatically close it to the fully closed position. It takes several seconds before the back door closer begins to operate. Be careful not to catch fingers or anything else in the back door, as this may cause bone fractures or other serious injuries.
- Use caution when using the back door closer as it still operates when the power back door system is cancelled.

CAUTION

■ **Power back door**

Observe the following precautions when operating the power back door.
Failure to do so may cause death or serious injury.

- Check the safety of the surrounding area to make sure there are no obstacles or anything that could cause any of your belongings to get caught.
- If anyone is in the vicinity, make sure they are safe and let them know that the back door is about to open or close.
- If the operating conditions of the power back door are no longer met, a buzzer may sound and the back door may stop opening or closing. The back door then has to be operated manually. Take extra care when on an incline, as the back door may open or close abruptly.
- If the power back door main switch is turned off while the power back door is operating, the back door will change to manual operation. In this case, be careful as the back door may move suddenly.
- On an incline, the back door may fall after it opens. Make sure the back door is fully open and secure.
- In the following situations, the power back door may detect an abnormality and automatic operation may be stopped. In this case, the back door has to be operated manually. Take extra care when on an incline, as the back door may open or close abruptly.
  - When the back door contacts an obstacle
  - When the battery voltage suddenly drops, such as when the "ENGINE START STOP" switch is turned to IGNITION ON mode or the engine is started during automatic operation
- If a bicycle carrier or similar heavy object is attached to the back door, the power back door may not operate, causing itself to malfunction, or the back door may fall closed again after being opened, causing someone's hands, head or neck to be caught and injured. When installing an accessory part to the back door, using a genuine Lexus part is recommended.

CAUTION

■ Jam protection function (vehicle with a power back door)

Observe the following precautions.
Failure to do so may cause death or serious injury.

- Be careful while the jam protection function is operating. Being hit by the back door may result in an injury.
- If anything obstructs the power back door while it is closing, the jam protection function will cause the back door to automatically operate in the opposite direction. However, be careful not to jam body parts in the doorframe, as an injury may result.
- Never use any part of your body to intentionally activate the jam protection function.
- The jam protection function may not work if something gets caught just before the back door fully closes. Be careful not to catch fingers or anything else.
- The jam protection function may not work depending on the shape of the object that is caught. Be careful not to catch fingers or anything else.
- The sensors located on the right and left sides of the power back door detect obstructions and prevent them from becoming jammed in the door. Some objects may not be detected depending on their shape or how they are jammed. Be careful not to get fingers or other body parts caught in the back door while it is operating as this may result in a serious injury.

NOTICE

■ **Back door damper stays**

The back door is equipped with damper stays that hold the back door in place.

Observe the following precautions.
Failure to do so may cause damage to the back door damper stay, resulting in malfunction.

- Do not attach any foreign objects, such as stickers, plastic sheets, or adhesives to the damper stay rod.
- Do not touch the damper stay rod with gloves or other fabric items.
- Do not attach any accessories other than genuine Lexus parts to the back door.
- Do not place your hand on the damper stay or apply lateral forces to it.

■ **To prevent back door closer malfunction**

- Do not apply excessive force to the back door while the back door closer is operating.
- If the back door is opened and closed repeatedly in a short amount of time, the back door closer may stop operating. In this case, manually open the back door once and wait for a while before attempting to close it again.

■ **To prevent damage to the power back door**

- Make sure that there is no ice between the back door and frame that would prevent movement of the back door. Operating the power back door when excessive load is present on the back door may cause a malfunction.
- Do not apply excessive force to the back door while the power back door is operating.
- Take care not to damage the sensors (installed on the right and left edges of the power back door) with a knife or other sharp object. If the sensor is disconnected, the power back door will not operate in automatic operation.
- When manually closing the back door immediately after the power back door has been automatically opened fully, some resistance may be felt.